August 31, 2006 Case No. NL020662US (7790/460) Serial No.: 10/520,315 Filed: JANUARY 5, 2005 Page 2 of 7

AMENDMENT TO THE CLAIMS

The present listing of claims is as follows:

- 1. (Original) Polycrystalline alumina components with an additive of at least 0.001 wt-% ZrO₂ and optionally containing MgO in a concentration of at most 0.3 wt-% characterized in that the alumina contains at most 0.5 wt-% ZrO₂ as an additive and has an average crystal size ≤2 µm, and a relative density higher than 99.95% with a real in-line transmission RIT ≥30% measured over an angular aperture of at most 0.5° at a sample thickness of 0.8 mm and with a monochromatic wavelength of light λ.
- (Original) Polycrystalline alumina components according to claim 1, characterized in that the average crystal size is ≤1 μm and the real in-line transmission RIT is at least 40%.
- (Original) Polycrystalline alumina components according to claim 1, characterized in that the ZrO₂ additive is in a concentration from 0.1 wt-% to 0.3 wt-%, inclusive.
- (Original) Discharge lamp characterized in that the lamp is provided with a discharge tube having a wall of a ceramic as claimed in claim 1.
- (Original) Lamp according to claim 4 characterized in that the discharge tube has an ionisable filling containing a metal halide.
- 6. (Original) Method for forming a polycrystalline alumina component as claimed in claim 1 characterized in that the process includes the steps of preparing a slurry of corundum power with a mean grain size ≤0.2 μm, adding a dopant, selected from zirconia and a zirconium containing precursor, casting the slurry in a mould, drying and sintering of the moulded body thus formed, and performing a HIP treatment at a temperature of at least 1150° C for at least 2 hours.

August 31, 2006 Case No. NL020662US (7790/460) Serial No.: 10/520,315 Filed: JANUARY 5, 2005

Page 3 of 7

7. (Original) Method according to claim 6, wherein the dopant is added as finely grained ZrO_2 .

- 8. (Original) Method according to claim 6, wherein the finely grained ZrO_2 dopant has an average particle size of at most 100 nm.
- (Original) Method according to claim 6, wherein after the addition of the zirconia dopant the prepared slurry is slip east in a mould.
- (Original) Method according to claim 6, wherein after the addition of the zirconia dopant the prepared slurry is gel cast in a mould.